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Technical Data Sheet

Schulablend WR 5 UV CA KOREA BLACK 72415

Polycarbonate + ASA

Product Description

PC-ASA blend with increased impact strength, heat resistance and weather resistance; permanent antistatic

Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Weather Resistance; High Heat Resistance
Additive	Antistatic

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (260 °C/5.0 kg)	30	cm³/10 min	ISO 1133
Density, (Method A)	1.16	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	42.0	MPa	ISO 527-2
Tensile Strain at Break, (Type 1A, 5 mm/min)	78	%	ISO 527-2
Tensile Strain at Yield, (Type 1A, 50 mm/min)	4.4	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	39.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1800	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	70	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	14	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	No Break		ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	111	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	112	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	88.0	°C	ISO 75-2/A